Labor Market Trends

Show Me the Best Jobs!

Utah's Job Connection

A Conundrum. . .

Workers Can't Find Jobs

Employers Can't Find Workers

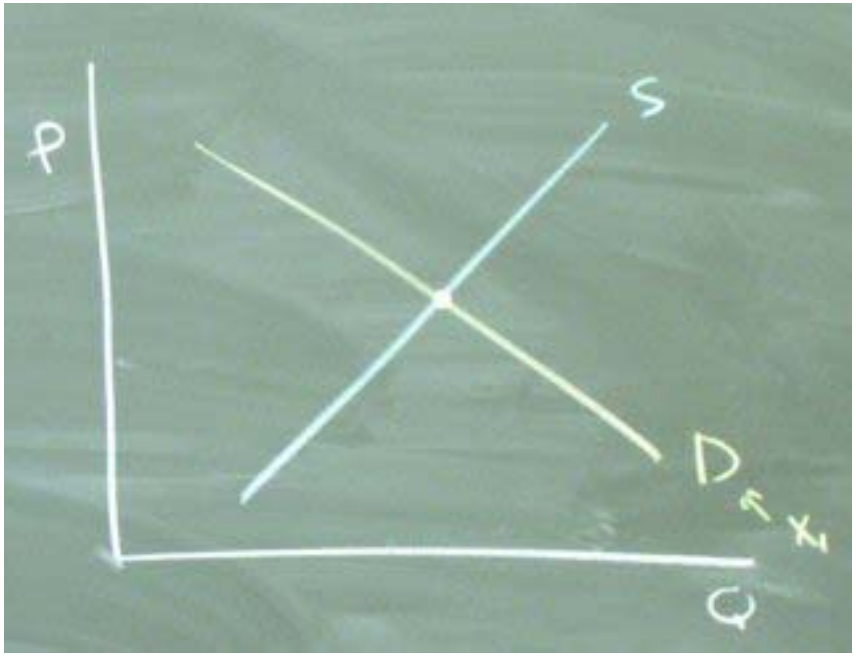
Utah's Job Connection

What's Wrong?

Workers don't have the skills employers need.

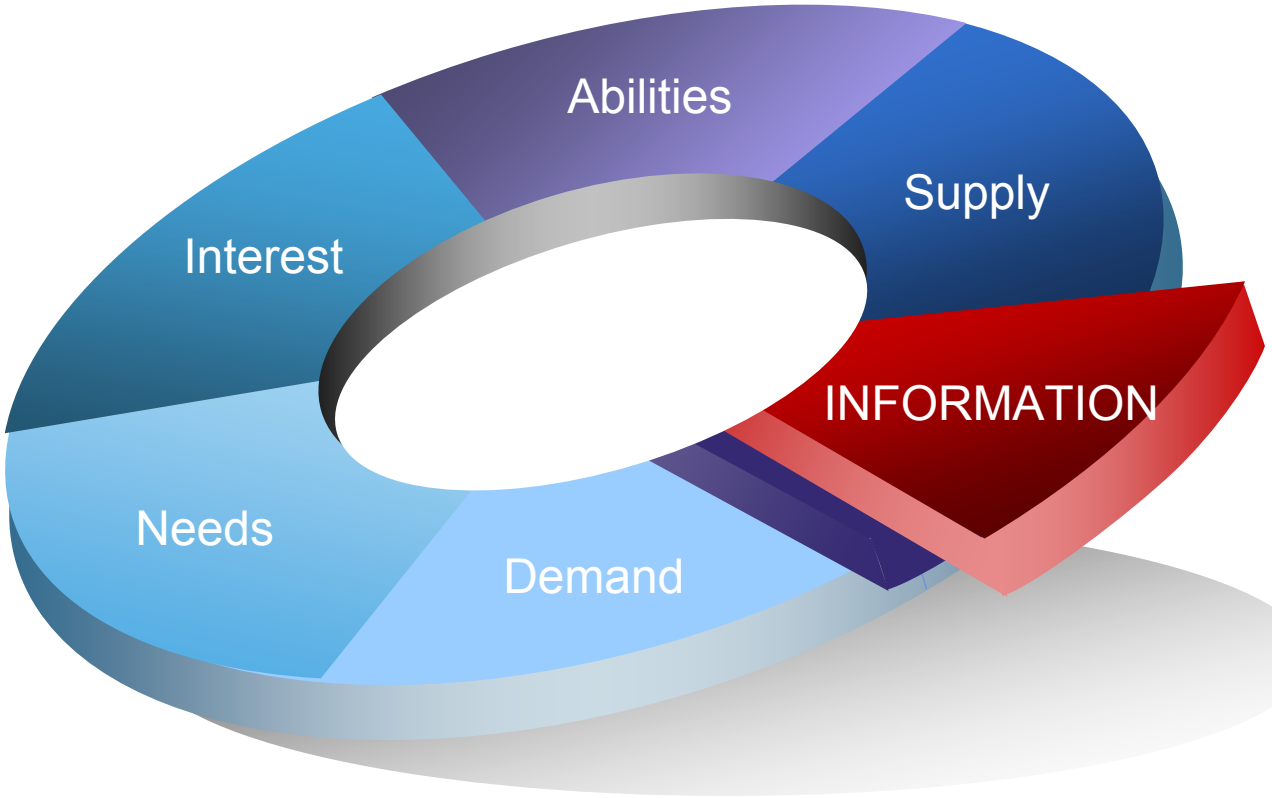
Economics 101

- Projections represent only DEMAND.
- Supply information is almost impossible to obtain.



Utah's Job Connection

Making a Career Choice



Utah's Job Connection

Things to Remember

1. Based on Employment Trends

2. We don’t have a crystal ball

3. We don’t ask employers

4. Supply and Demand

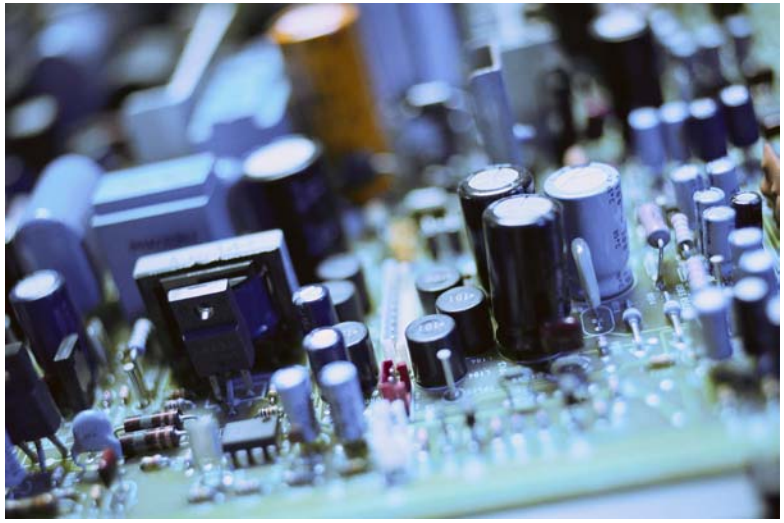
4. All occupations will have openings

Utah’s Job Connection

Let's Talk Trends

Utah's Job Connection

Here and Across the Nation



- Medical/Healthcare
- Technical/Computer-Related

Utah's Job Connection

The Baby Boomer Effect

- Boomers are getting older and will require more healthcare.
- Boomers are starting to retire—increasing demand for workers.

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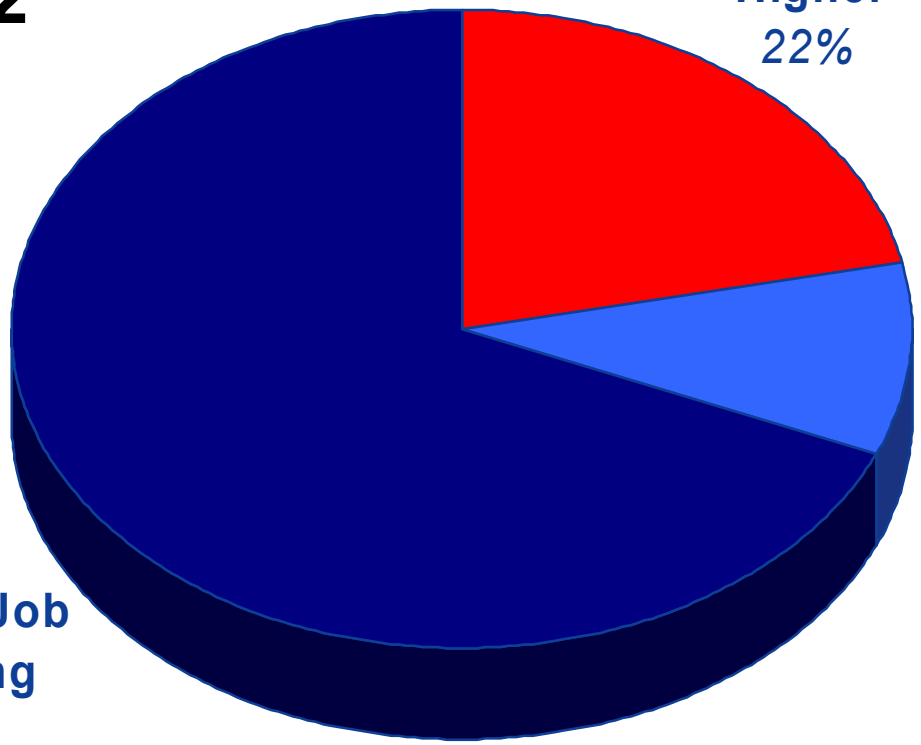
Computers and Technology

- Computers do more and more.
- Workers are needed to program, repair and design them.

New Jobs by Training Level

Utah
2002-2012



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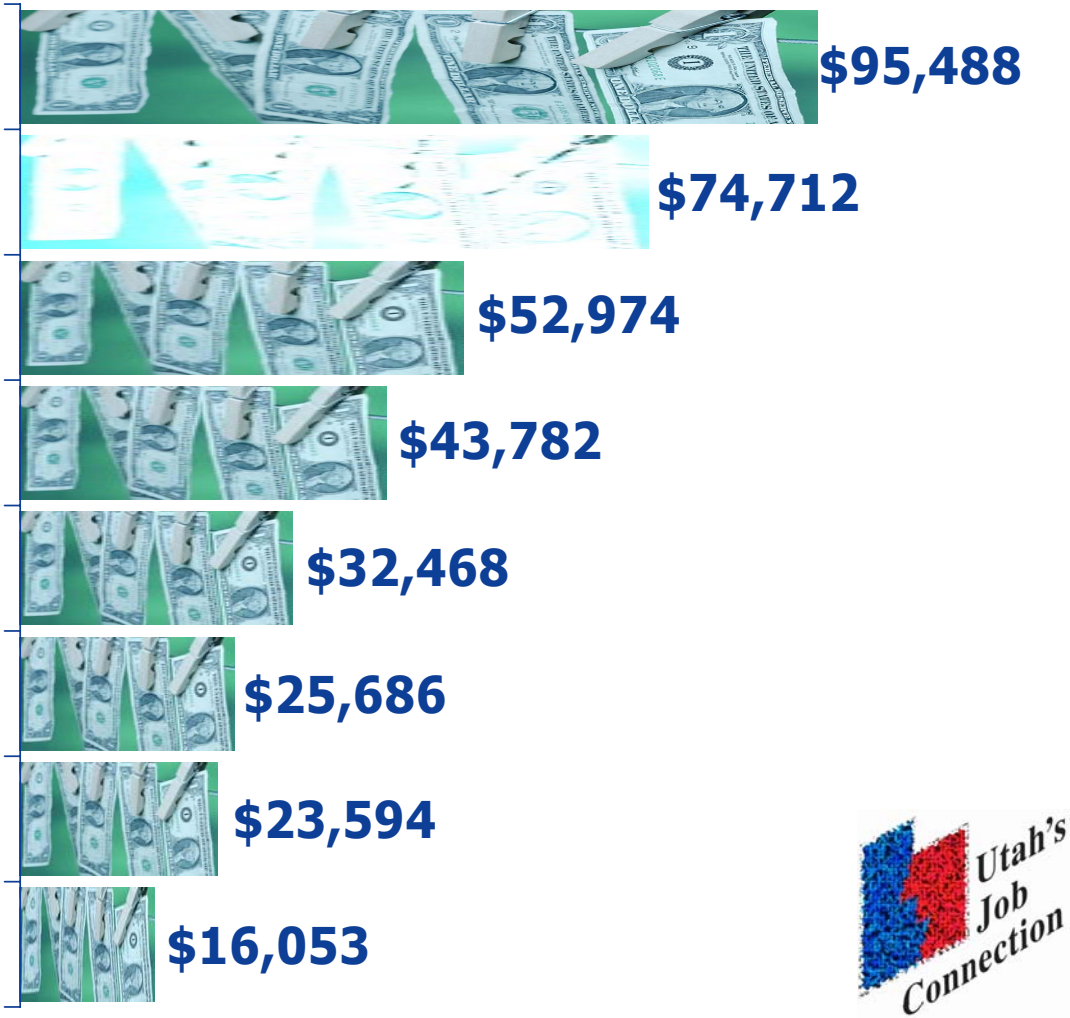
Bigger and Bigger. . .

The share of jobs that require a college education is growing.

Utah's Job Connection

And, Education Pays. . .



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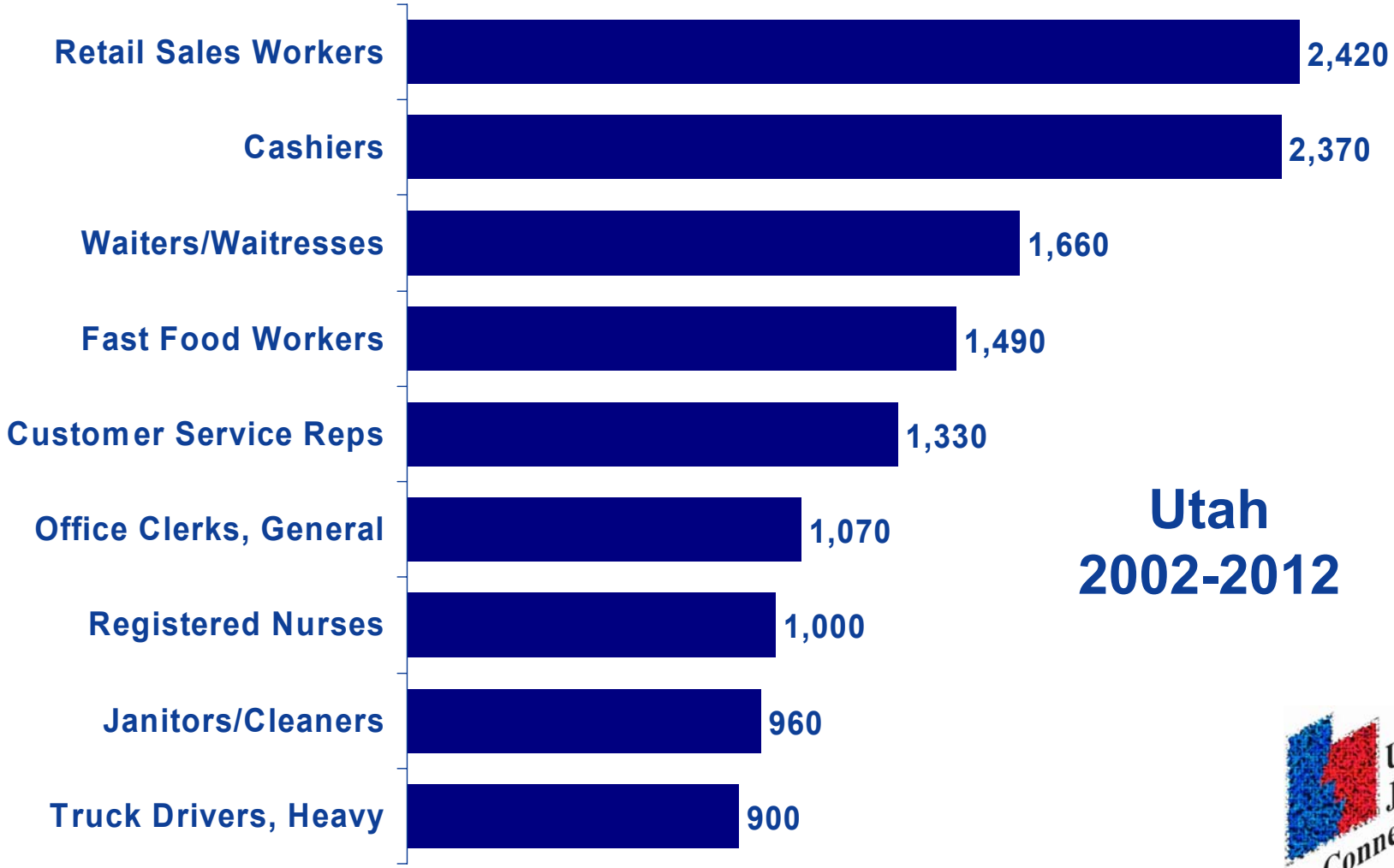
Jobs with the Most Openings

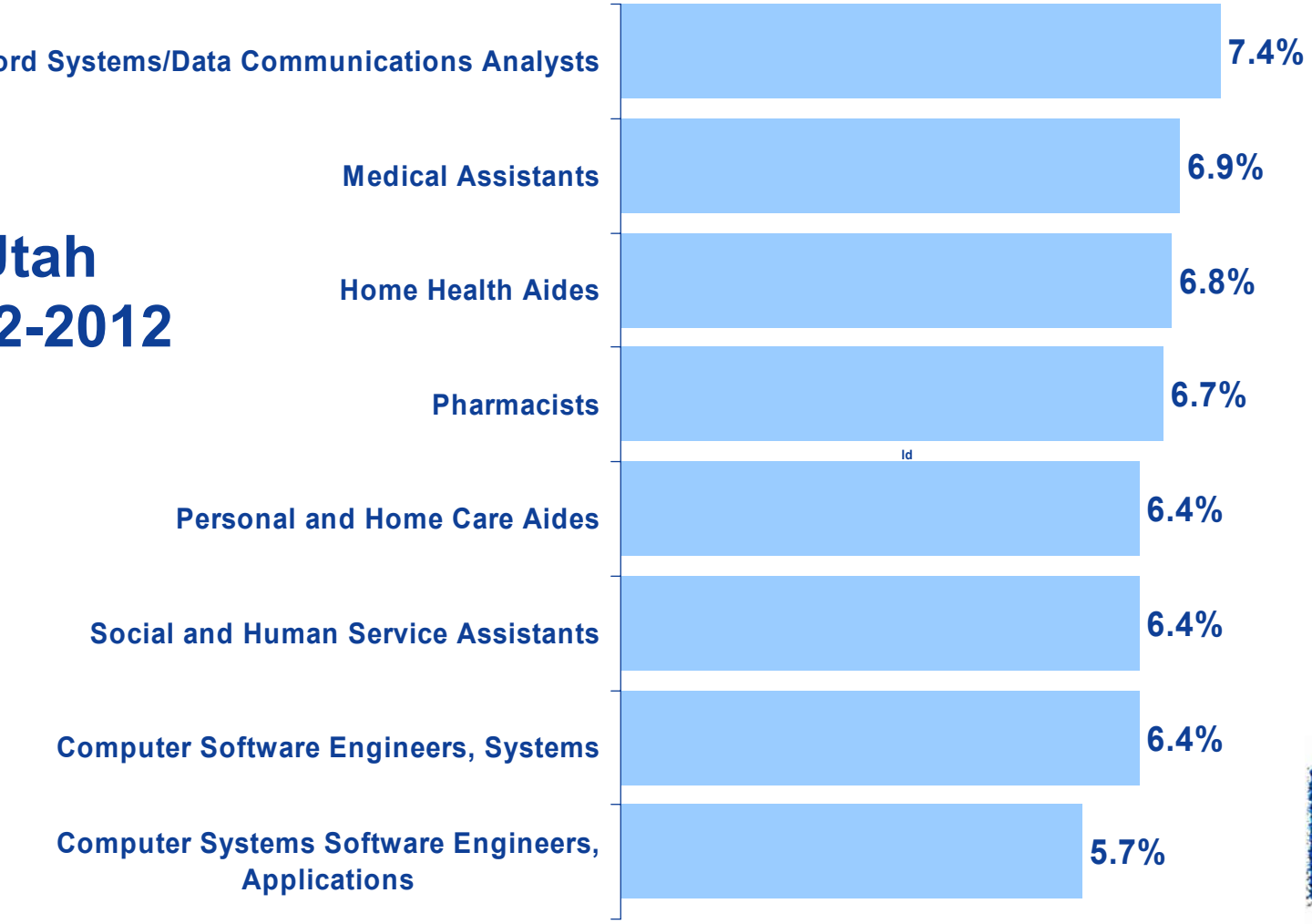


Utah
2002-2012

Utah's Job Connection

Fastest Growth

Utah
2002-2002



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SOMETHING NEW!

*****Star Ratings*****

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Things to Remember

1. Jobs are rated 0-5 Stars

2. “Five Star” is the Best

3. Based on Employment Outlook

4. Based on Wages

4. Applied by Training Level

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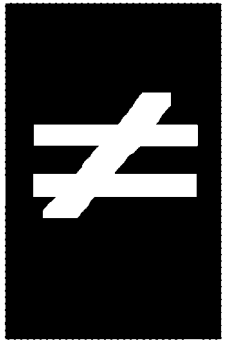
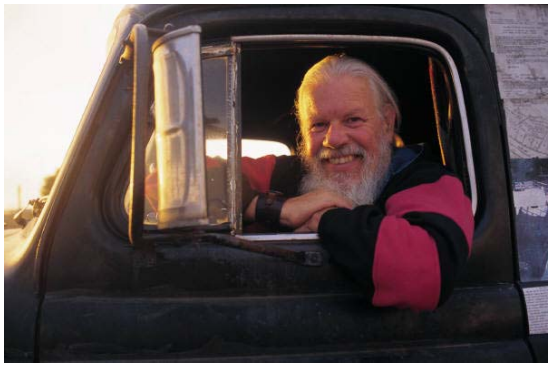
Be Careful!

A “five-star” college-degree job will pay much better than a “five-star” on-the-job training occupation.





Utah's Job Connection

Bachelor's Degree or Higher

- Chief Executives
- Computer and Information Systems Managers
- Computer Software Engineers, Applications
- Computer Software Engineers, Software

Utah's Job Connection

Bachelor's Degree or Higher

- Education Administrators--Elementary/Secondary School
- Lawyers
- Management Analysts
- Marketing Managers
- Pharmacists
- Sales Managers

Utah's Job Connection

More than High School; Less than College

- Respiratory Therapists
- Paralegals/Legal Assistants
- Dental Hygienists
- Real Estate Sales Agents
- Cardiovascular Technologists and Technicians
- Electrical and Electronic Engineering Technicians
- Registered Nurses

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On-the-Job Training

- Electricians
- Supervisors/Managers
  - Construction/Extraction,Mechanics/ Installers/Repairers, Nonretail Sales Workers, Administrative, Police/Detectives, Production/Operation
- Plumbers/Pipefitters
- Police/Sheriff's Patrol Officers

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On-the-Job Training

- Postal Service Mail Carriers
- Production/Planning/ Expediting Clerks
- Sales Reps
  - Technical/Scientific
  - Other
- Vocational Education Teachers, Postsecondary

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A word about women. . .

The Bureau of Labor Statistics estimates that the average young woman will spend 30 years of her life in the labor market.

Utah's Job Connection

61%

58%

UTAH

U.S.

A higher percentage of Utah women work. . .

Half the Labor Market. . .

Men
55%

Women
45%

2000

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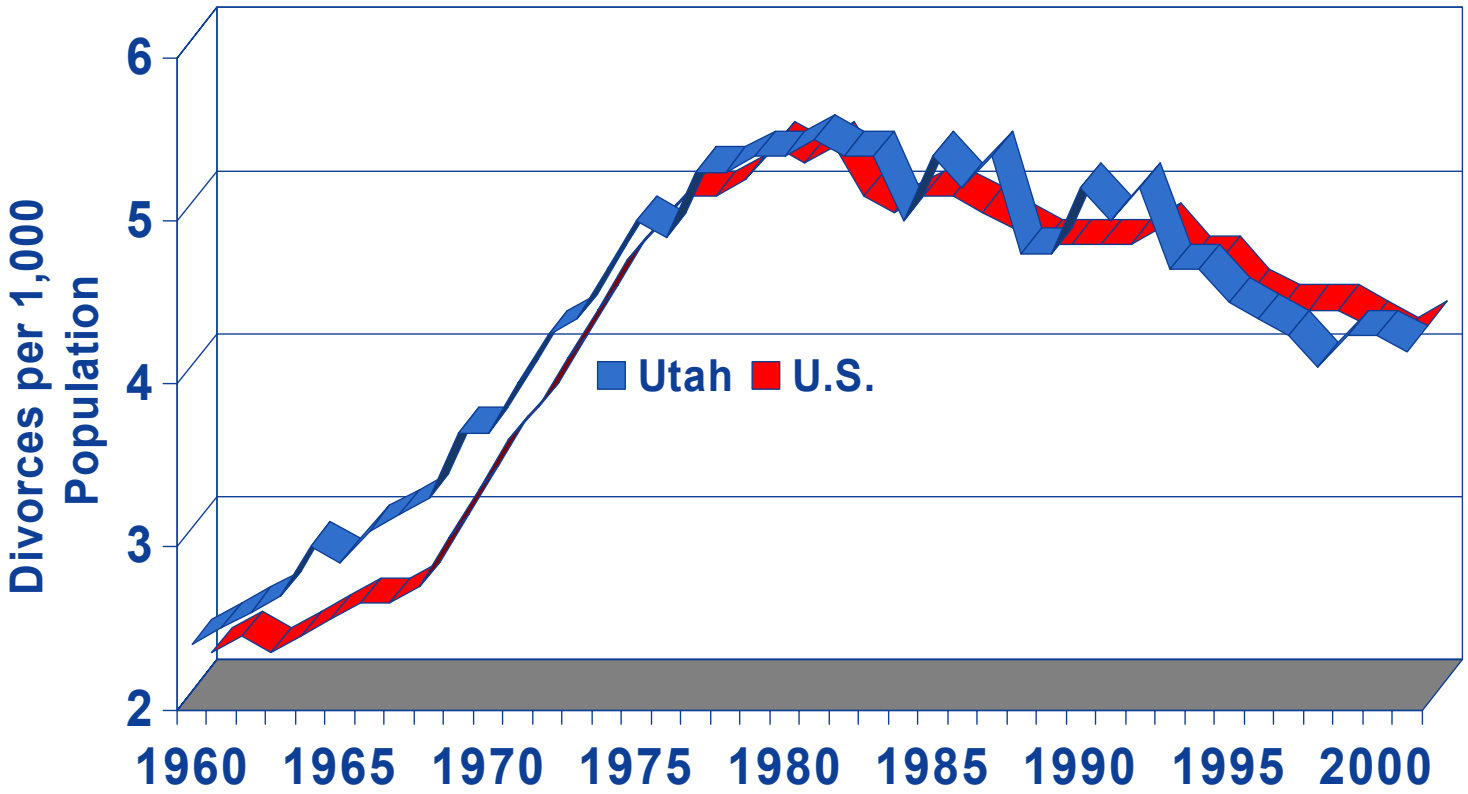
Divorce rates remain high



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Most working women are married

Most Utah Moms work. . .

In the Labor Force
74%

Not in Labor Force
26%

Utah Mothers with children 6-17

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Utah women typically make less than Utah men

Median Earnings of Year-Round, Full-time Workers

$36,935

Men

$24,872

Women

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Utah has one of the largest male/female wage gaps in the U.S.

Education Pays, but Utah women are not keeping up with their U.S. counterparts

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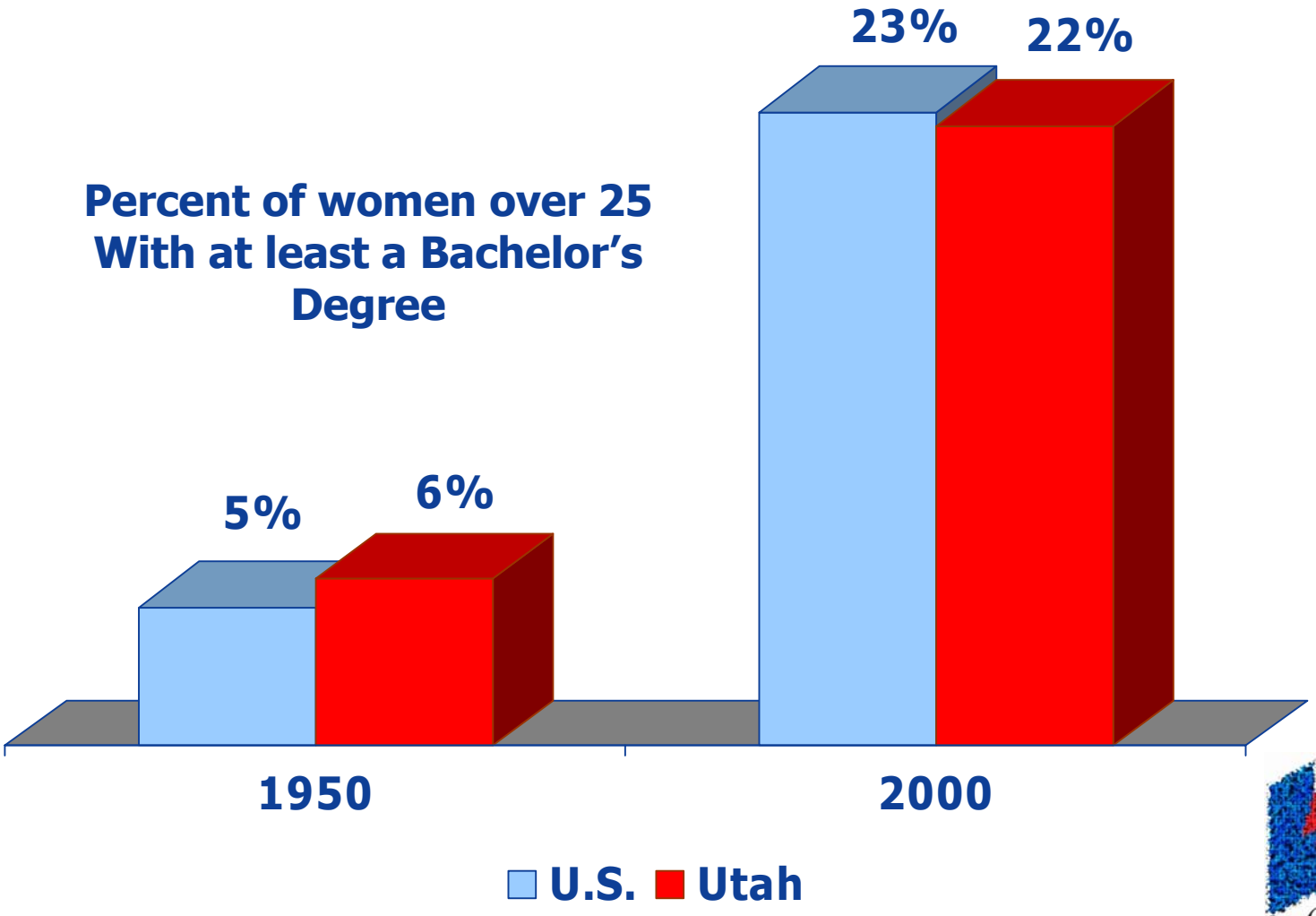
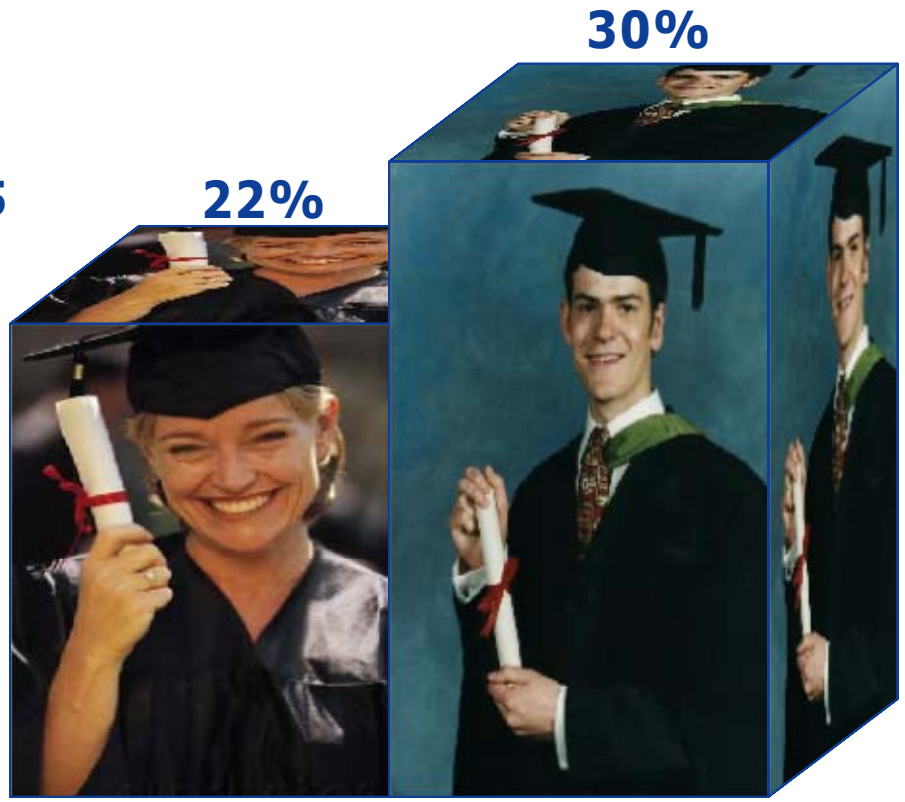
Utah Women are Behind the U.S.



And, they're not keeping up with Utah men. . .

Percent of population over 25 With at least a Bachelor's Degree



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Utah has the largest male/female college education gap in the U.S.

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When Women don't get as much education as men, they earn less!

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BUT
What's the main reason for the difference in Men's and Women's Wages?

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Choice of Occupation

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Rule of Thumb

Generally,

the more nontraditional the job for a woman the higher the wages

Utah's Job Connection

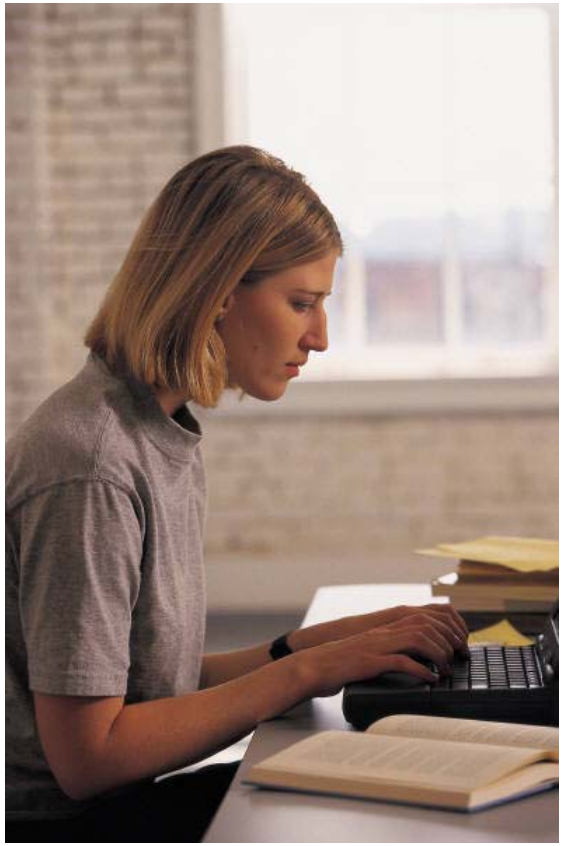
CASHIER

- $8 an hour
- **40 hours a week**
- ***$320 a week***

Utah's Job Connection

Computer Software Engineer

- $29 an hour
- **20 hours a week**
- ***$580 a week***



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An Important Choice!

- Cashier

Less Time with Family
Lower Income

- Computer Software Engineer

More Time with Family
More Income

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Show me the data!

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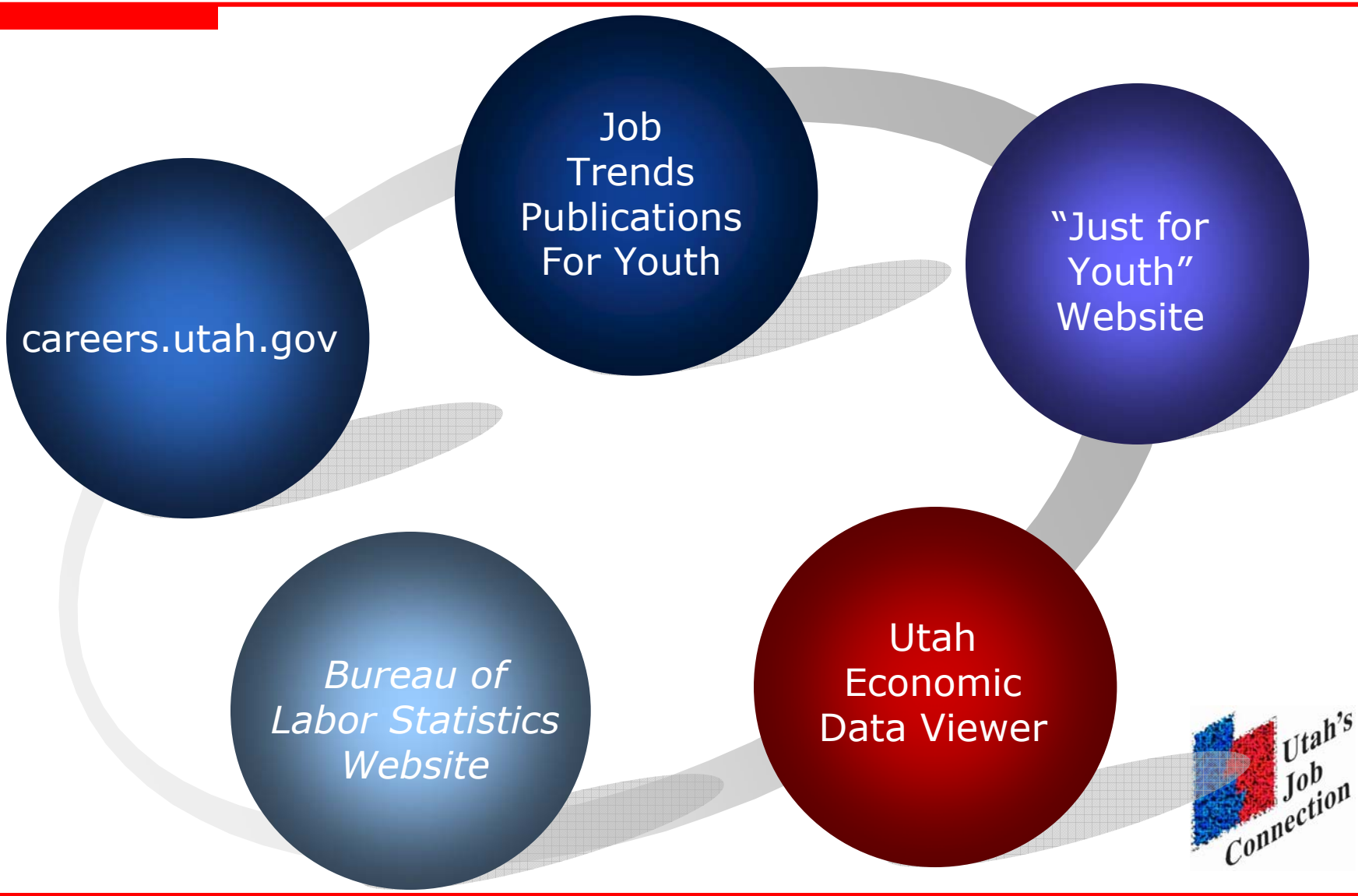
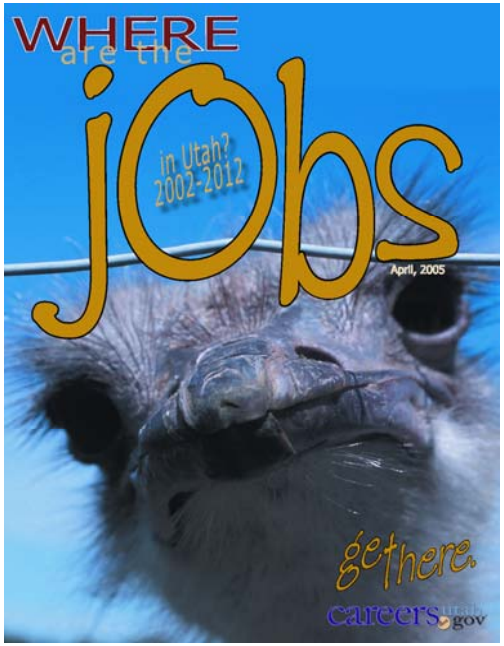
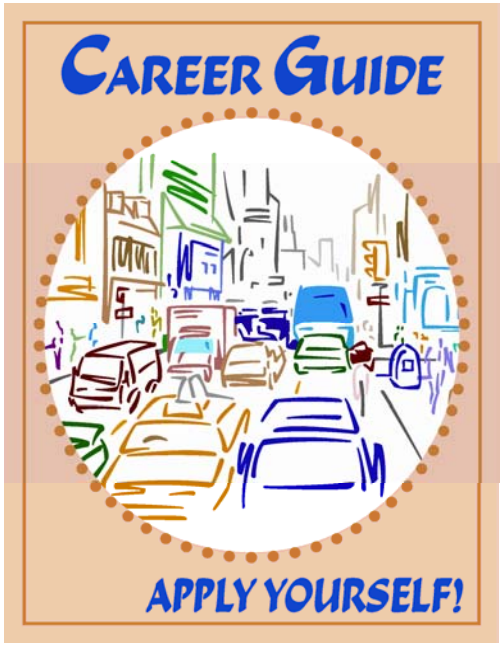
Sources of Information



Job Trends Publications



Job Trends for Youth



Student Career Guide

Utah Job Trends

All publications are available at:

http://jobs.utah.gov/wi/occi.asp

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"Just for Youth" Website

http://justforyouth.utah.gov

Utah's Job Connection

Bureau of Labor Statistics

Exploring Career Information from the Bureau of Labor Statistics

What Interests You?

Math | Reading | Science | Social Studies | Music & Arts | Building & Fixing Things | Helping Pe
Computers | Law | Managing Money | Sports | Nature

BLS Home Page | Teacher's Guide | BLS Career Information | A-Z List of Careers

http://www.bls.gov/k12

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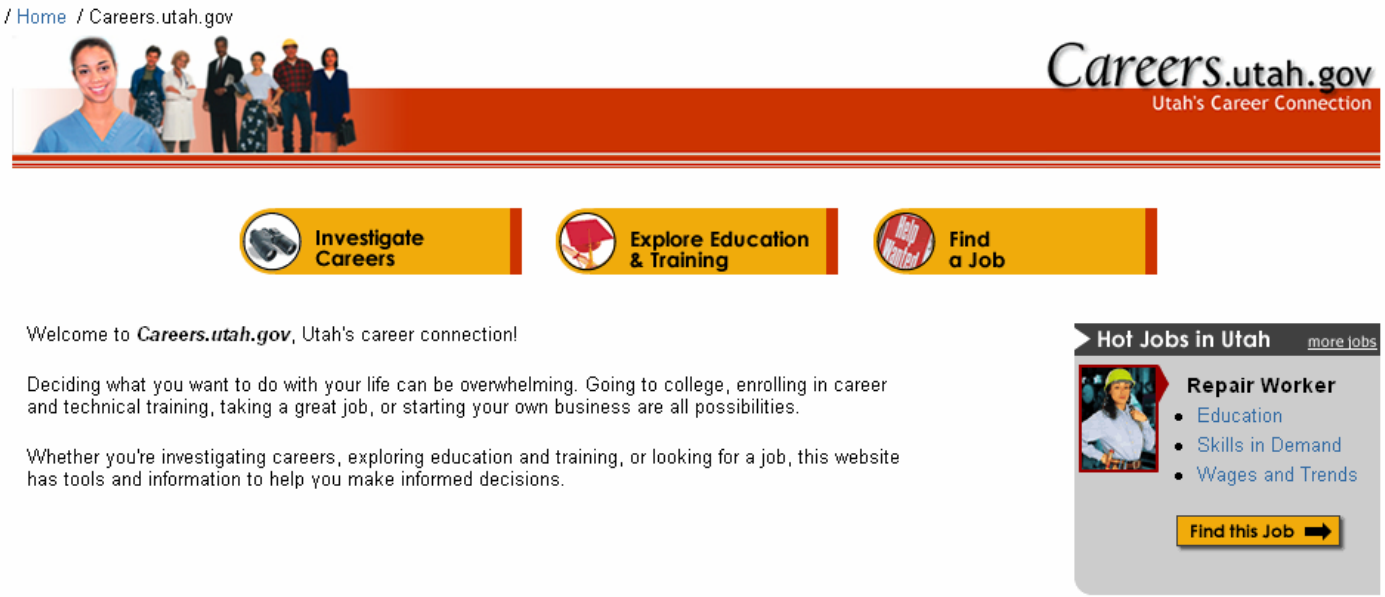
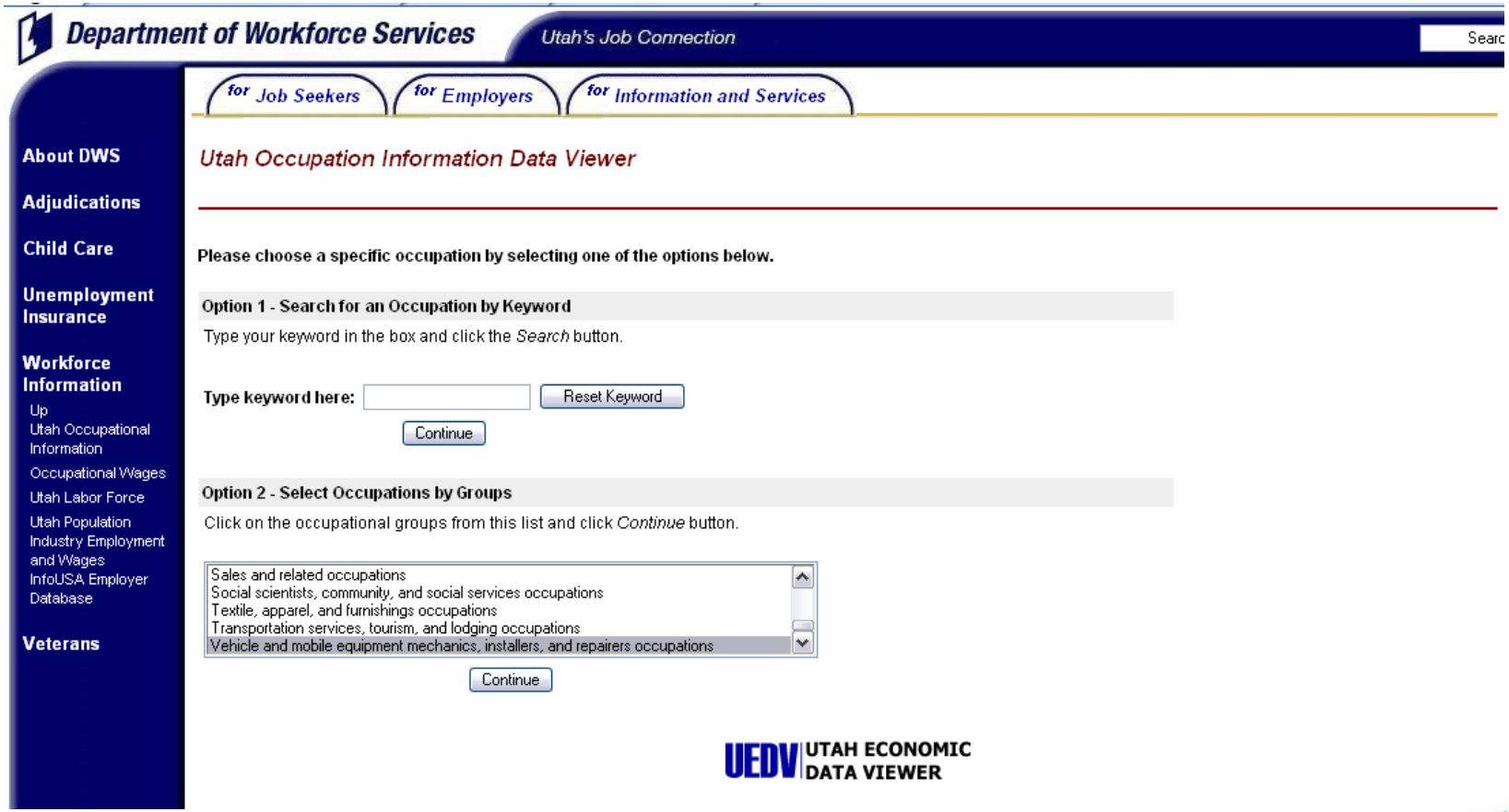
careers.utah.gov



http://careers.utah.gov

Utah's Job Connection

Utah Economic Data Viewer



http://jobs.utah.gov/jsp/wi/utalmis/gotoOccinfo.do

Utah's Job Connection

The Report

Utah Occupational Report for

Computer Software Engineers, Applications

Report Contents

Occupation Description	Occupation Wages
Employment Projections	License Information
Related Occupations	Skills
Current Job Openings	Schools and Training Providers

Occupational Description for
Computer Software Engineers, Applications

Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team. Exclude "Computer Hardware Engineers" (17-2061).

Utah Occupational Wages - Published December 2004

Area Name				
ALL OF UTAH	22	32.6	45,760	67,740
DAVIS, MORGAN, WEBER	21.9	29.8	45,390	61,940
PROVO-OREM MSA	20	32.5	41,420	67,420
SALT LAKE-OGDEN MSA	23.1	32.8	47,960	68,150

* Indicates that Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.
** This wage is equal to or greater than $70.00 per hour or $145,600 per year.

Employment Projections 2002 - 2012

Area Name	Current Employment	Projected Employment	Annual % Change	Total Annual Openings	
Utah	2,700	4,250	5.7	180	5
Utah Metro	2,540	3,870	5.2	160	5
Utah Nonmetro	140	220	5.3	10	5

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The Report

Utah License Information

Utah State license is not required for this occupation.

Related Occupations

Aerospace Engineering and Operations Technicians
Computer Science Teachers, Postsecondary
Computer Support Specialists
Computer, Automated Teller, and Office Machine Repairers
Electrical and Electronics Repairers, Commercial and Industrial Equipment
Electrical and Electronics Drafters
Numerical Tool and Process Control Programmers

Occupational Skills information

Computer Software Engineers, Applications

Importance	Skill	
93	Operations Analysis	Analyzing needs and product requirements to create a design
90	Mathematics	Using mathematics to solve problems
87	Programming	Writing computer programs for various purposes
87	Science	Using scientific rules and methods to solve problems
87	Troubleshooting	Determining causes of operating errors and deciding what to do about it
83	Active Learning	Understanding the implications of new information for both current and future problem-solving and decision-making
80	Critical Thinking	Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems
80	Speaking	Talking to others to convey information effectively
	Active	Giving full attention to what other people are saying, taking time to understand the points being made

Utah's Job Connection

The Report

77	Active Listening	understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times
77	Judgment and Decision Making	Considering the relative costs and benefits of potential actions to choose the most appropriate one

*Importance is on a scale of 1 - 100. See http://online.onetcenter.org for further information.

Current Job Openings
Computer Software Engineers, Applications

Job Title	Date Posted	Location	Minimum Salary	Maximum Salary
Application Developer	05/10/2005	Davis		
Java SWT Developer	06/09/2005	Salt Lake		
Process Control Software Engineer	05/23/2005	Weber		
Quality Assurance Engineer	04/18/2005	Davis		
Senior Software Engineer	06/23/2005	Salt Lake		
Software Engineer	04/01/2005	Salt Lake		
Software Engineer	06/09/2005	Salt Lake		
Software Engineer	06/01/2005	Salt Lake		
Software Engineer	06/22/2005	Salt Lake	$50000.00	$90000.00
Software Engineer-Client Application	05/17/2005	Salt Lake		
Sr. Software Engineer-Client Application	05/17/2005	Salt Lake		
Test Systems Engineer III	06/14/2005	Salt Lake		
Web Page Developer	04/01/2005	Box Elder	$9.00	$12.00
Web-page Maintenance Worker	06/02/2005	Cache		
Windows CE Developer	05/24/2005	Salt Lake	$50.00	$55.00
Windows User Interface Developer	06/13/2005	Utah		
Wireless 802.11 Engineer	06/16/2005	Utah		

Education and Training Providers
Computer Software Engineers, Applications
Click here to view Schools and Training Providers

UEDV UTAH ECONOMIC DATA VIEWER

Utah's Job Connection

Other

- Remember Location
  - National
  - State
  - Local

- Lecia Parks Langston
  - 435-688-3115
  - lecialangston@utah.gov

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